

SEP 15 2006

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A micro-lens for use in an imager, comprising:
a substrate having a recessed area; and an opening recessed from an upper surface of the substrate; and
lens material located within the opening-recessed area of the substrate, said opening serving which serves as a mold for the lens material.

2. (Currently Amended) The micro-lens of claim 1, wherein the opening-recessed area has at least one arcuate portion.

3. (Currently Amended) The micro-lens of claim 1, wherein the opening-recessed area is shaped such that said lens material corrects for optical aberrations.

4. (Original) The micro-lens of claim 1, wherein the substrate comprises silicon dioxide.

5. (Currently Amended) The micro-lens of claim 4, wherein said substrate is positioned over a pixel cell and the opening is shaped such that said lens material is formed recessed area is configured to account for color dependent photon absorption differences of a photosensor of said pixel cell.

6. (Original) The micro-lens of claim 1, wherein the lens material exhibits a refractive index greater than that of the substrate.
7. (Original) The micro-lens of claim 1, wherein the lens material exhibits a refractive index less than the substrate.
8. (Currently Amended) A micro-lens, comprising:
~~a substrate having an opening recessed from an upper surface of the substrate a recessed area, said substrate being formed of silicon dioxide; and~~
~~lens material located within the opening recessed area of the substrate~~
~~which serves as a mold for the lens material, wherein the opening recessed area is shaped such that said lens material corrects for optical aberrations.~~
9. (Currently Amended) The micro-lens of claim 8, wherein the ~~opening recessed area is configured structured such that a focal point of the micro-lens is associated with a color of light to account for color dependent photon absorption differences in the silicon dioxide.~~
10. (Original) The micro-lens of claim 8, wherein the lens material exhibits a refractive index greater than that of the substrate.
11. (Original) The micro-lens of claim 8, wherein the lens material exhibits a refractive index less than that of the substrate.

Claims 12-48. (Canceled).